

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

CHKODROV et al.

Serial No.: TBA

Filed: September 26, 2003

For: Self-Maintaining Real-Time Data Aggregation

Atty. Docket No.: 003797.00624

Group Art Unit: TBA

Examiner: TBA

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of good faith and candor as set forth in 37 C.F.R. §§ 1.56(a), 1.97 and 1.98 *et seq.*, Applicants submit herewith the attached Form PTO/SB/08A. Applicants have submitted each of the non-U.S. patent references cited on attached Form PTO/SB/08A with this paper. Applicants respectfully request that the Examiner consider and enter all the documents cited on the enclosed Form PTO/SB/08A into the file of the above-identified application. Applicants also request an indication of the same by return of the Form PTO/SB/08A being initialed and dated by the Examiner.

No fees are believed due to ensure consideration of the attached documents by the Examiner. However, if any fees are required or an overpayment of fees made, the Commissioner is hereby authorized to debit or credit our Deposit Account No. 19-0733, as necessary.

Respectfully submitted,

Date: September 26, 2003

By:

  
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Registration No. 42,084

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Attachments:

Form PTO/SB/08A  
Non-Patent References Cited on Form PTO/SB/08A

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	TBA
Filing Date	September 26, 2003
First Named Inventor	CHKODROV et al.
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	003797.00624

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1.	5,319,780	06/07/1994	Catino et al.	
	2.	5,537,589	07/16/1996	Dalal	
	3.	5,713,020	01/27/1998	Reiter et al.	
	4.	5,781,896	07/14/1998	Dalal	
	5.	5,822,751	10/13/1998	Gray et al.	
	6.	5,905,985	05/18/1999	Malloy et al.	
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	8.	5,940,818	08/17/1999	Malloy et al.	
	9.	5,943,668	08/24/1999	Malloy et al.	
	10.	5,978,796	11/02/1999	Malloy et al.	
	11.	6,064,999	05/16/2000	Dalal	
	12.	6,122,636	09/19/2000	Malloy et al.	
	13.	6,205,447 B1	03/20/2001	Malloy	
	14.	6,374,263 B1	04/16/2002	Bunger et al.	
	15.	6,430,565 B1	08/06/2002	Berger et al.	
	16.	6,438,537 B1	08/20/2002	Netz et al.	
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	18.	6,502,086 B2	12/31/2002	Pratt	
	19.	6,516,322 B1	02/04/2003	Meredith	
	20.	6,542,895 B1	04/01/2003	DeKimpe et al.	
	21.	6,546,395 B1	04/08/2003	DeKimpe et al.	
	22.	6,594,653 B2	07/15/2003	Colby et al.	
	23.	6,598,079 B1	07/22/2003	Pal et al.	
	24.	6,603,839 B1	08/05/2003	Smith, Jr., et al.	

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	25.	Stefano Ceri et al., "Deriving Production Rules for Incremental View Maintenance," <i>Proc. Of 1991 VLDB Conference</i> , pp. 577-589, 1991.	
	26.	D. Gavlas et al., "Enabling Mobile Agent Technology for Intelligent Bulk Management Data Filtering," <i>IEEE</i> , 2000 pp. 623-636, 2000.	
	27.	D.L. Giles, "Usage Measurement in Support of Billing for Connectionless Data Services," <i>Bell Communications Research, Inc.</i> , 17.4-1 - 17.4-10, 1990.	
	28.	G.M.E. Lafue, "Integrating language and database for CAD applications," <i>Computer Aided Design</i> , Vol. 11, No. 3, pp. 127-130, May 1979.	
	29.	James F. Leary et al., "Real-Time Decision-Making for High-Throughput-Screening Applications," <i>Optical Diagnostics of Living Cells IV, Proceedings of SPIE Vol. 4260</i> , pp. 219-225 (2001)	
Examiner Signature			Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	TBA
				Filing Date	September 26, 2003
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Sheet	2	of	2	Attorney Docket Number	003797.00624

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	30.	Wolfgang Lehner, "Improving Query Response Time in Scientific Databases Using Data Aggregation - A Case Study," <i>Proc. Of 7<sup>th</sup> Int'l Workshop on Database and Expert Systems Applns.</i> , IEEE, pp. 201-206 (1996).	
	31.	Shira Levine, "In the Black," <i>America's Network</i> , p. 18, May 15, 2002.	
	32.	David B. Lomet, "Subsystems of Processes with Deadlock Avoidance," <i>IEEE Transactions on Software Engineering</i> , Vol. SE-6, No. 3, May 1980.	
	33.	Mukesh Muhania, "Making aggregate views self-maintainable," <i>Data &amp; Knowledge Engineering</i> , 32, pp. 87-109, 2000.	
	34.	Kevin Reardon, "The Role of Data Archives in Synoptic Solar Physics," <i>Synoptic Solar Physics Conference</i> , ASP Conference Series, Vol. 140, pp. 467-474, 1998.	
	35.	Cyrus Shahabi et al., "An Adaptive Recommendation System without Explicit Acquisition of User Relevance Feedback," <i>Distributed and Parallel Databases</i> , 14, 173-192 (2003).	
	36.	Abraham Silberschatz et al., "A Family of Locking Protocols for Database Systems that Are Modeled by Directed Graphs," <i>IEEE Transactions on Software Engineering</i> , Vol. SE-8, No. 6, pp. 558-62, November 1982.	

Examiner Signature		Date Considered	
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